analytics environmental laboratory LLC

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Ms. Nina Anderson
Inspectorate America Corporation
12000 Aerospace Ave, Suite 200
Houston TX 77034-5576

Report Number: 69479

Revision: Rev. 0

Re: Sprague Energy (Project No: 4101-11-01)

Enclosed are the results of the analyses on your sample(s). Samples were received on 05 April 2011 and analyzed for the tests listed. Samples were received in acceptable condition, with the exceptions noted below or on the chain of custody. These results pertain to samples as received by the laboratory and for the analytical tests requested on the chain of custody. The results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report. Please see individual reports for specific methodologies and references.

Lab Number	Sample Date	Station Location	Analysis	Comments
69479-1	04/04/11	2011-020-00309-001	Electronic Data Deliverable	
	04/04/11	2011-020-00309-001	EPA 8260 Volatile Organics	

Sample Receipt Exceptions: None

Analytics Environmental Laboratory is certified by the states of New Hampshire, Maine, Massachusetts, Connecticut, Rhode Island, Virginia, Maryland, and is accredited by the Deparment of Defense (DOD) ELAP program. A list of actual certified parameters is available upon request.

If you have any questions on these results, please do not hesitate to contact us.

Authorized signature _____
Stephen L. Knollmeyer Lab. Director

Date 04/15/2011

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April 15, 2011

CLIENT SAMPLE ID

Project Name: Sprague Energy

Project Number: 4101-11-01

Field Sample ID: 2011-020-00309-001

SAMPLE DATA

Lab Sample ID: 69479-1
Matrix: Solid
Percent Solid: 100
Dilution Factor: 95
Collection Date: 04/04/11
Lab Receipt Date: 04/05/11
Analysis Date: 04/12/11

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Limit of Detection (LOD) µg/kg	Limit of Quantitation (LOQ) µg/kg	Result µg/kg	COMPOUND	Limit of Detection (LOD) µg/kg	Limit of Quantitation (LOQ) µg/kg	Result µg/kg
Chloroethane	47	95	U	1,1-Dichloroethane	47	95	U
Chloroform	47	71	U	1,1-Dichloroethene	47	71	U
Chloromethane	47	95	U	1,1-Dichloropropene	47	95	U
cis-1,2-Dichloroethene	47	95	U	1,2,3-Trichlorobenzene	47	95	U
cis-1,3-Dichloropropene	47	95	U	1,2,3-Trichloropropane	47	95	U
Dibromochloromethane	47	71	U	1,2,4-Trichlorobenzene	47	95	U
Dibromomethane	47	95	U	1,2,4-Trimethylbenzene	47	95	U
Dichlorodifluoromethane	47	95	U	1,2-Dibromo-3-chloropropane	47	95	U
Ethylbenzene	47	95	U	1,2-Dibromoethane	47	71	U
Freon-113	47	95	U	1,2-Dichlorobenzene	47	95	U
Hexachlorobutadiene	47	95	U	1,2-Dichloroethane	47	71	U
Isopropl benzene	47	95	U	1,2-Dichloropropane	47	71	U
m,p-Xylene	47	95	U	1,3,5-Trimethylbenzene	47	95	U
Methyl-tert-butyl ether (MTBE)	47	71	U	1,3-Dichlorobenzene	47	95	U
Methylene chloride	237	474	U	1,3-Dichloropropane	47	95	U
Naphthalene	47	95	U	1,4-Dichlorobenzene	47	95	U
n-Butylbenzene	47	95	U	2,2-Dichloropropane	47	95	U
n-Propylbenzene	47	95	U	Methyl ethyl ketone	474	947	U
o-Xylene	47	95	U	2-Chlorotoluene	47	95	U
sec-Butylbenzene	47	95	U	2-Hexanone	474	947	U
Styrene	47	95	U	4-Chlorotoluene	47	95	U
tert-Butylbenzene	47	95	U	4-Isopropyltoluene	47	95	U
Tetrachloroethene	47	95	U	4-Methyl-2-pentanone	474	947	U
Tetrahydrofuran	237	474	U	Acetone	474	947	U
Toluene	47	95	U	Benzene	47	95	U
trans-1,2-Dichloroethene	47	95	U	Bromobenzene	47	95	U
trans-1,3-Dichloropropene	47	95	U	Bromochloromethane	47	95	U
Trichloroethene	47	95	U	Bromodichloromethane	47	71	U
Trichlorofluoromethane	47	95	U	Bromoform	47	71	U
Vinyl chloride	47	95	U	Bromomethane	47	95	U
Xylenes (total)	47	95	U	Carbon Disulfide	47	95	U
1,1,1,2-Tetrachloroethane	47	95	U	Carbon tetrachloride	47	95	U
1,1,1-Trichloroethane	47	95	U	Chlorobenzene	47	95	U
1,1,2,2-Tetrachloroethane	47	71	U	(TIC) n-Heptane	NA	NA	NF
1,1,2-Trichloroethane	47	71	U	(TIC) n-Hexane	NA	NA	NF

Surrogate Standard Recovery

Bromofluorobenzene	89%	d4-1,2-Dichloroethane	95%	d8-Toluene	96%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B. Results between the LOD and LOQ are reported as estimated (J flag). Difficult compounds and laboratory contaminants are not reported below the LOQ

COMMENTS: Results are expressed on a dry weight basis. TIC=Tentatively Identified Compound. NF=Not Found using NIST library search criteria.

set2Column2TierWTICs:Res(0):Rec(0) - Inspectorate_OIL_2Tier_wTICS

Authorized signature

INSPECTORATE
A Bureau Veritas Group Company

Chain of Custody Form

Project #: Sprague Energy 4101-11-01
IAC Office:
IAC Job No.:
Terminal:
Samples iced: Yes No
Analysis: **EPA 8260B/5035**
Matrix: **Organic**
Preservation: **Methanol**

(*) Per Nina Anderson only analyze sample provided JSB 4/8/11

• Sample was not in cooler JSB 4/5/11

Sample No	Sample Date	Sample Time	Tank No.	Sampled By	Product Grade	Sample Type
2011 - 020-00314-001	4-4-11	1215	201	M. BUCKLAND	PG 64-28	SPLGUT 69479-1
2011 - 020-00309-007	4-4-11	1215	301	M. BUCKLAND	PG 64-28	SPLGUT (*) 04/8/11

Sprague Representative: Mike Ward
Date/Time: 4-4-11 1215

Relinquished by: Mark Buckland / Kurt Powell
Date/Time: 4-4-1215 4/5/11 1515

Received By: Jaclyn
Date/Time: 4/5/11 1515

Samples were @ 4°C

ANALYTICS SAMPLE RECEIPT CHECKLIST

analytics environmental laboratory LLC

AEL LAB#: 69479
CLIENT: InSpec
PROJECT: Sprague Energy

COOLER NUMBER: Clients cooler
NUMBER OF COOLERS: 1
DATE RECEIVED: 4/5/11

A: PRELIMINARY EXAMINATION:

DATE COOLER OPENED: 4/5/11

1. Cooler received by(initials): JB
Date Received: 4/5/11

2. Circle one: ~~Hand delivered~~ Shipped

3. Did cooler come with a shipping slip? Y (N) NA

3a. Enter carrier name and airbill number here: _____

4. Were custody seals on the outside of cooler? Y (N)
How many & where: _____ Seal Date: _____ Seal Name: _____

5. Did the custody seals arrive unbroken and intact upon arrival? Y N NA

6. COC#. _____

7. Were Custody papers filled out properly (ink,signed, etc)?	(Y)	N
8. Were custody papers sealed in a plastic bag?	Y	(N)
9. Did you sign the COC in the appropriate place?	(Y)	N
10. Was the project identifiable from the COC papers?	(Y)	N
11. Was enough ice used to chill the cooler? (Y) N — Temp. of cooler:	4°C	

B. Log-In: Date samples were logged in: 4.8.11 By: lmt

12. Type of packing in cooler(bubble wrap, popcorn)	(Y)	N
13. Were all bottles sealed in separate plastic bags?	(Y)	N
14. Did all bottles arrive unbroken and were labels in good condition?	(Y)	N
15. Were all bottle labels complete(ID,Date,time,etc.)	(Y)	N
16. Did all bottle labels agree with custody papers? - See COC	(Y)	N
17. Were the correct containers used for the tests indicated:	(Y)	N
18. Were samples received at the correct pH?	Y	N NA
19. Was sufficient amount of sample sent for the tests indicated?	(Y)	N
20. Were all samples submitted within holding time?	(Y)	N
21. Were bubbles absent in VOA samples?	Y	N NA

If NO, List Sample ID's and Lab #s: _____

22. Laboratory labeling verified by (initials): CR Date: 4/8/11